

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	52	(histone adj deacetylase adj 2!) OR (histone adj deacetylase-2) OR (histone adj deacetylase adj II!) OR (histone adj deacetylase-II)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/30 12:34
L2	0	L1 AND (cronin.in. or hilgers.in. or knuth.in. or navre.in. or sang.in. or skene.in. or tari.in. or wilson.in. or witmer.in. or zou.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/30 12:34
S6	180	hdac2 or hdac-2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 17:01
S7	3	S6 same crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 16:04
S8	180	hdac2 or hdac-2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 16:04
S9	49	S8 and crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 16:04
S10	1	S8 and crystal.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 16:05
S11	2	"6812339".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 16:06
S12	52	(histone adj deacetylase adj 2!) OR (histone adj deacetylase-2) OR (histone adj deacetylase adj II!) OR (histone adj deacetylase-II)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/30 12:33
S13	0	S12 same crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 17:02
S14	6	S12 and crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 17:02



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☒ 1C3S



Characteristics

Classification

Compound

Authors

CRYSTAL STRUCTURE OF AN HDAC HOMOLOG COMPLEXED WITH SAHA

Release Date: 15-Sep-1999 Exp. Method:

Resolution: 2.50 Å

Lyase

Mol. Id: 1 Molecule: Hdlp (histone Deacety

Mutation: C75S, C77S

Finnin, M.S., Donigian, J.R., Cohen V.M., Rifkind, R.A., Marks, P.A., Br R., Pavletich, N.P.

☒ 1VKG



Characteristics

Classification

Compound

Authors

Crystal Structure of Human HDAC8 complexed with CRA-19156

Release Date: 27-Jul-2004 Exp. Method:

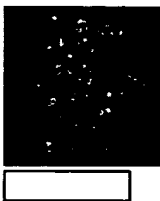
Resolution: 2.20 Å

Hydrolase

Mol. Id: 1 Molecule: Histone Deacetylase 8

Somoza, J.R., Skene, R.J., Katz, B., C., Ho, J.D., Jennings, A.J., Luong, A., Buggy, J.J., Chi, E., Tang, J., Si C., Verner, E., Wynands, R., Leahy E.M., Dougan, D.R., Snell, G., Navr M.W., Swanson, R.V., McRee, D.E.,

☒ 1Q17



Characteristics

Classification

Compound

Authors

Structure of the yeast Hst2 protein deacetylase in ternary complex with acetyl ADP ribose and histone pept

Release Date: 18-Nov-2003 Exp. Method:

Resolution: 2.70 Å

Hydrolase

Mol. Id: 1 Molecule: Hst2 Protein Fragment Deacetylase

Zhao, K., Chai, X., Marmorstein, R.

☒ 1T64



Characteristics

Classification

Compound

Crystal Structure of human HDAC8 complexed with Trichostatin A

Release Date: 27-Jul-2004 Exp. Method:

Resolution: 1.90 Å

Hydrolase

Mol. Id: 1 Molecule: Histone Deacetylase 8

**Authors**

Somoza, J.R., Skene, R.J., Katz, B., C., Ho, J.D., Jennings, A.J., Luong, A., Buggy, J.J., Chi, E., Tang, J., S. C., Verner, E., Wynands, R., Leahy E.M., Dougan, D.R., Snell, G., Navr M.W., Swanson, R.V., McRee, D.E.,

☒ **1QK9**

THE SOLUTION STRUCTURE OF THE DOMAIN FROM MECP2 THAT BINDS METHYLATED DNA

**Characteristics Classification**

Release Date: 08-Oct-1999 Exp. Method: **Methyl Cpg Binding Protein**

Compound

Mol. Id: 1 Molecule: Methyl Cpg Binding Protein
Fragment: Mcpg Binding Domain of Mecp2

Authors

Wakefield, R.I., Smith, B.O., Nan, J. A., Soteriou, A., Uhrin, D., Bird, A. P.N.

☒ **1Q14**

Structure and autoregulation of the Hst2 homolog of Sir2

**Characteristics**

Release Date: 30-Sep-2003 Exp. Method:

Classification

Resolution: 2.50 Å

Compound

Mol. Id: 1 Molecule: Hst2 Protein

Fragment: Histone/protein Deacetylase

Authors

Zhao, K., Chai, X., Clements, A., M.

☒ **1W22**

CRYSTAL STRUCTURE OF INHIBITOR HUMAN HDAC8

**Characteristics**

Release Date: 24-Sep-2004 Exp. Method:

Classification

Resolution: 2.50 Å

Compound

Mol. Id: 1 Molecule: Histone Deacetylase 8

Vannini, A., Volpari, C., Filocamo, I. Casavola, E., Brunetti, M., Renzoni D., Chakravarty, P., Paolini, C., De R., Gallinari, P., Steinckuhler, C., I

Authors☒ **1C3R**

CRYSTAL STRUCTURE OF AN HDAC HOMOLOG COMPLEXED WITH TRICHOSTATIN A

**Characteristics**

Release Date: 15-Sep-1999 Exp. Method:

Classification

Resolution: 2.00 Å

Compound

Mol. Id: 1 Molecule: Hdip (histone Deacetylase)
Mutation: C75S, C77S

Authors

Finnin, M.S., Donigian, J.R., Cohen V.M., Rifkind, R.A., Marks, P.A., Br R., Pavletich, N.P.

☒ **2FZQ**

CRYSTAL STRUCTURE OF HUMAN SIRTUIN HOMOLOG 5 IN COMPLEX WITH SUBSTRATE

Release Date: 28-Feb-2006 Exp. Method:

**Characteristics****Classification****Compound****Authors**

Resolution: 2.06 Å

Hydrolase

Mol. Id: 1 Molecule: NAD Dependent Deacetylase
Antoshenko, T., Min, J.R., Allali-Haoui, A., Dong, A., Weigelt, J., Sundstrom, M., Arrowsmith, C.H., Edwards, R.J.D., A.M., Bochkarev, A., Plotnikov, A.N.

☒ 1J8F**Characteristics****Classification****Compound****Authors****HUMAN SIRT2 HISTONE DEACETYLASE**

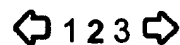
Release Date: 06-Jul-2001 Exp. Method: X-ray

Resolution: 1.70 Å

Gene Regulation Transferase

Mol. Id: 1 Molecule: Sirtuin 2 Isoform 1

Finnin, M.S., Donigian, J.R., Pavletich, N.P.



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☒ 1SZC



Characteristics

Classification

Compound

Authors

Structural basis for nicotinamide cl and ADP-ribose transfer by NAD+-dependent Sir2 histone/protein deacetylases

Release Date: 15-Jun-2004 Exp. Method:

Resolution: 1.75 Å

Gene Regulation

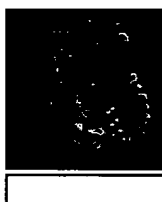
Mol. Id: 1 Molecule: NAD Dependent Deac

Fragment: Catalytic Core Domain Mol. Id: 1

Molecule: Histone H4 Peptide

Zhao, K., Harshaw, R., Chai, X., Ma

☒ 1SZD



Characteristics

Classification

Compound

Authors

Structural basis for nicotinamide cl and ADP-ribose transfer by NAD+-dependent Sir2 histone/protein deacetylases

Release Date: 15-Jun-2004 Exp. Method:

Resolution: 1.50 Å

Gene Regulation

Mol. Id: 1 Molecule: NAD Dependent Deac

Fragment: Catalytic Core Domain Mol. Id: 1

Molecule: Histone H4 Peptide

Zhao, K., Harshaw, R., Chai, X., Ma

☒ 2CZY



Characteristics

Classification

Compound

Authors

Solution structure of the NRSF/RE5 mSin3B PAH1 complex

Release Date: 20-Dec-2005 Exp. Method:

Gene Regulation

Mol. Id: 1 Molecule: Paired Amphipathic He

Fragment: Pah1 Domain (residues 31 107)

Molecule: Transcription Factor Rest (version 1

Interaction Domain (residues 43 57)

Nomura, M., Uda-Tochio, H., Murai

N., Nishimura, Y.

☒ 1XC5

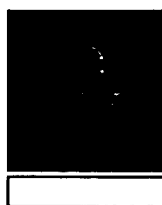


Characteristics
Classification

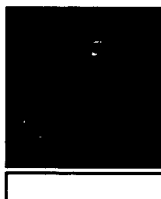
Solution Structure of the SMRT Deacetylase Activation Domain

Release Date: 03-May-2005 Exp. Method:

Transcription Corepressor

**Compound****Authors**

Mol. Id: 1 Molecule: Nuclear Receptor Core
 Fragment: Deacetylase Activation Domain (re
 Codina, A., Love, J.D., Li, Y., Lazar
 M.A., Neuhaus, D., Schwabe, J.W.F

☒ **2F05****Characteristics****Classification****Compound****Authors**

Solution structure of free PAH2 dom
mSin3B

Release Date: 28-Mar-2006 **Exp. Method:**
Transcription Repressor

Mol. Id: 1 Molecule: Paired Amphipathic He
 Fragment: Pah2 Domain (residues 148 252)
 van Ingen, H., Baltussen, M.A., Ae
 G.W.

☒ **1T67****Characteristics****Classification****Compound****Authors**

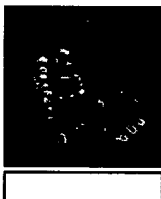
Crystal Structure of Human HDAC8
complexed with MS-344

Release Date: 27-Jul-2004 **Exp. Method:**

Resolution: 2.31 Å

Hydrolase

Mol. Id: 1 Molecule: Histone Deacetylase 8
 Somoza, J.R., Skene, R.J., Katz, B.,
 C., Ho, J.D., Jennings, A.J., Luong,
 A., Buggy, J.J., Chi, E., Tang, J., Si
 C., Verner, E., Wynands, R., Leahy
 E.M., Dougan, D.R., Snell, G., Navr
 M.W., Swanson, R.V., McRee, D.E.,

☒ **1T69****Characteristics****Classification****Compound****Authors**

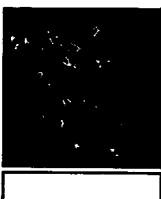
Crystal Structure of human HDAC8
complexed with SAHA

Release Date: 27-Jul-2004 **Exp. Method:**

Resolution: 2.91 Å

Hydrolase

Mol. Id: 1 Molecule: Histone Deacetylase 8
 Somoza, J.R., Skene, R.J., Katz, B.,
 C., Ho, J.D., Jennings, A.J., Luong,
 A., Buggy, J.J., Chi, E., Tang, J., Si
 C., Verner, E., Wynands, R., Leahy
 E.M., Dougan, D.R., Snell, G., Navr
 M.W., Swanson, R.V., McRee, D.E.,

☒ **1Q1A****Characteristics****Classification****Compound****Authors**

Structure of the yeast Hst2 protein
deacetylase in ternary complex wit
acetyl ADP ribose and histone pept

Release Date: 18-Nov-2003 **Exp. Method:**

Resolution: 1.50 Å

Gene Regulation

Mol. Id: 1 Molecule: Hst2 Protein **Fragment:**
 Deletion of Hst2 **Mol. Id: 2** Molecule: Hist
Fragment: Residues 12 21

Zhao, K., Chai, X., Marmorstein, R.

CRYSTAL STRUCTURE OF AN HDAC

☒ 1C3P**Characteristics****Classification****Compound****Authors****HOMOLOG FROM AQUIFEX AEOLIC**

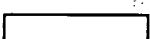
Release Date: 15-Sep-1999 Exp. Method:

Resolution: 1.80 Å

Lyase

Mol. Id: 1 Molecule: Protein (hdlp (histone Protein))

Finnin, M.S., Donigian, J.R., Cohen V.M., Rifkind, R.A., Marks, P.A., Br R., Pavletich, N.P.

☒ 1TQE**Characteristics****Classification****Compound****Authors****Mechanism of recruitment of class histone deacetylases by myocyte enhancer factor-2**

Release Date: 21-Dec-2004 Exp. Method:

Resolution: 2.70 Å

Transcription/protein Binding/dna

Mol. Id: 1 Molecule: Mef2 Binding Site of N

Mol. Id: 2 Molecule: Mef2 Binding Site of N

Mol. Id: 3 Molecule: Myocyte Specific Enha

Fragment: Residues 1 93 Mol. Id: 4 Mole

Deacetylase 9 Fragment: Residues 138 158

Han, A., He, J., Wu, Y., Liu, J.O., C

1 2 3 ⇨

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